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3510 U.S. PTO  
09/29/99  
04/23/99

|                      |          |
|----------------------|----------|
| 451                  | 357      |
| Class                | Subclass |
| ISSUE CLASSIFICATION |          |

PATENT NUMBER

6179696



6179696

# U.S. UTILITY PATENT APPLICATION

|         |          |             |
|---------|----------|-------------|
| SCANNED | O.I.P.E. | PATENT DATE |
| 11/2    | RG       | JAN 30 2001 |

|        |       |          |          |          |
|--------|-------|----------|----------|----------|
| SECTOR | CLASS | SUBCLASS | ART UNIT | EXAMINER |
|        | 451   | 357      | 11/2     | RG       |

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## PREPARED AND APPROVED FOR ISSUE

## ISSUING CLASSIFICATION

| ORIGINAL  |          | CROSS REFERENCE(S) |                                   |  |  |
|---|----------|--------------------|-----------------------------------|--|--|
| CLASS   | SUBCLASS | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |
| 451   | 357      | 451                | 357                               |  |  |
| INTERNATIONAL CLASSIFICATION  |          |                    |                                   |  |  |
| B 24 B  | 23       | 08                 |                                   |  |  |
| B 24 B  | 27       | 08                 |                                   |  |  |
| <input type="checkbox"/> Continued on Issue Slip Inside File Jacket |          |                    |                                   |  |  |

12-18-00

Normal Drawings (2 sheets) 50:1

4-23-99

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|---|--|-------------|--|--|----------------------|
| <input type="checkbox"/> <b>TERMINAL DISCLAIMER</b>   | <b>DRAWINGS</b>  |             |  | <b>CLAIMS ALLOWED</b>  |                      |
|   | Sheets Drwg.   | Figs. Drwg. | Print Fig.                             | Total Claims   | Print Claim for O.G. |
|   | 2  | 3           | 1                                      | 20   | 1                    |
| <input type="checkbox"/> e) The term of this patent subsequent to _____ (date) has been disclaimed.   | (Assistant Examiner) _____ (Date) _____  |             |  | <b>NOTICE OF ALLOWANCE MAILED</b>                              |                      |
| <input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent No. _____  | <b>DERRIS H. BANKS</b><br>PRIMARY EXAMINER<br><i>D. H. Banks</i> 5/3/00<br>(Primary Examiner) (Date) |             |  | 5/14/00 11/20/00   |                      |
| <input type="checkbox"/> c) The term of _____ months of this patent have been disclaimed.   | (Legal Instruments Examiner) _____ (Date) _____  |             |  | <b>ISSUE FEE</b> \$2<br>Amount Due 11/29/00 Date Paid 11/30/00 |                      |
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(LABEL AREA)

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